

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : D. Amnon Silverstein Art Unit : 2612
Serial No. : 09/484,667 Examiner : Rosendale, Matthew L.
Filed : Jan. 18, 2000
Title : POINTING DEVICE FOR DIGITAL CAMERA DISPLAY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

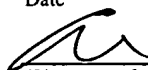
EXHIBIT F

CERTIFICATE OF MAILING

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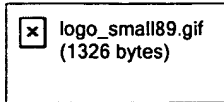
Date



(Signature of person mailing papers)

Edouard Garcia

(Typed or printed name of person mailing papers)



Monthly Reports - April 1999

Department Highlights

Complete JPEG
MMX
implementation

Digital Imaging
Symposium

PROJECT:

OBJECTIVE:

MANAGER:

DATES:

STAFF:

DISCUSSION

CAST: Worked on further refinement of the image mosaicing algorithms. Introduce a second layer between real-time processing and off-line processing of CAST to properly handle non-sequential order of stitching of individual frames. Since initial motion estimation from real-time stage is not good enough for non-sequential stitching, motion estimation at the offline stage may fail. To prevent this from happening, we introduced a stage in which motion estimates between successive frames are re-estimated after the real-time tracking, and this provides better initial estimates for the main processing stage.

**GOALS FOR
NEXT MONTH**

PROJECT:

OBJECTIVE:

MANAGER:

DATES:

STAFF:

DISCUSSION

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Display Image Quality: We delivered test files to DPD so that they could test the visibility of sequential color artifacts on their testbeds. We arranged a meeting between Jacki Downing (DPD), Gerry Mooney (IPD), Barry Bronson (HPL) and Dr. Louis Silverstein to discuss a consulting relationship between Dr. Silverstein and HP on display human factors. Dr. Silverstein signed a non-disclosure agreement so that we could discuss the display design issues surrounding RPDs. We installed a new version of the motion tracking software developed by Andy Patti into our Capybara demo. We evaluated the Sony Glastron for Barry Bronson.

**GOALS FOR
NEXT MONTH**

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DISCUSSION

**GOALS FOR
NEXT MONTH**

PUBLICATIONS & REPORTS:

PATENTS:

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